

# LOUDSPEAKER 117/113 dB(A) BExL 25 d/e / BExL 15 d/e



- EEx d IIC T4 / EEx de IIC T4.
- KEMA certified.
- ATEX approval, optionally IEC and GOST approvals.
- Housing made of die-cast aluminium LM6, horn made of ABS.
- Categories 2G and 3G (Zones 1 and 2).
- Also available as category 2D/3D for dust zones 21 and 22.
- Chromated polyester powder coating, resistant to moisture and salt spray, good resistance to most acids, alkalis and oils.

IP 66  
IP 67

protection system

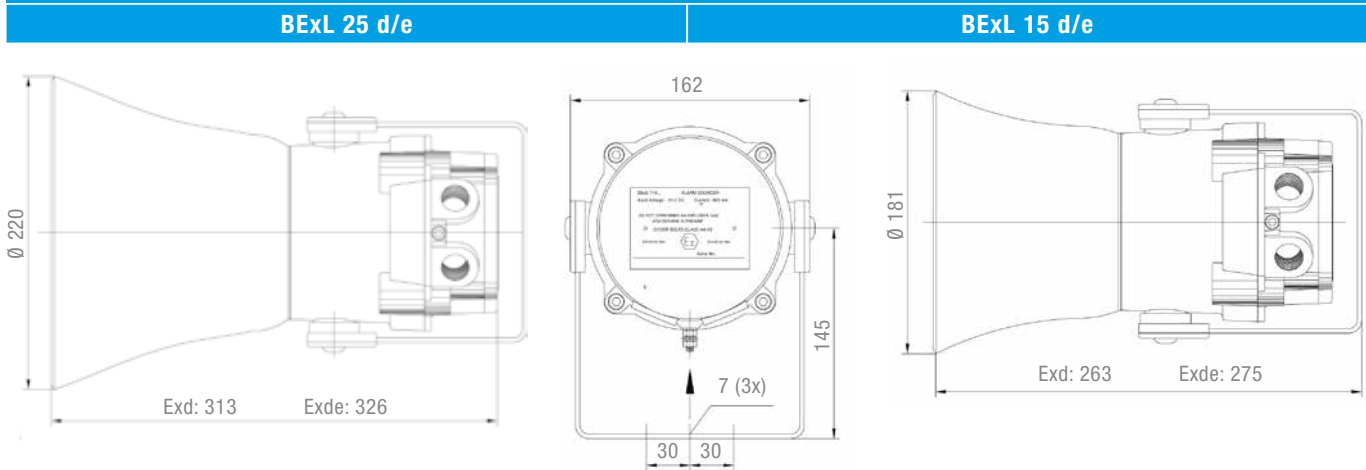
+70 °C  
-50 °C

operating temperature

EAC

PRODUCT	BExL 25 d/e	BExL 15 d/e
Protection system	"d" = IP 67; or "e" = IP 66	
Explosion protection	II 2G Ex d IIC T4 / II 2G EEx de IIC T4 II 2G Ex d IIB T4 / II 2G EEx de IIB T4	
Category (area of use)	2G (Zone 1) 3G (Zone 2)	
Certificate of conformity	KEMA 99 ATEX 7906	
Testing body	KEMA	
Sound pressure level	117 dB(A) ± 3 dB(A) @ 25 W	113 dB(A) ± 3 dB(A) @ 15 W
Rated power	sine wave 25 W	15 W
Transformer	type 100 V power – 25 W / 12.5 W / 6 W / 2 W taps (Z = 400 Ω / 800 Ω / 1.67 kΩ / 5 kΩ)	100 V power – 15 W / 7.5 W / 3 W / 1 W taps (Z = 666.87 Ω / 1.34 kΩ / 3.34 kΩ / 10 kΩ)
Impedance	type 8 Ω or 16 Ω	
Dispersion	130° @ 1 kHz / 32° @ 4 kHz	120° @ 1 kHz / 32° @ 4 kHz
Frequency range	300–8,000 Hz	400–8,000 Hz
Temperature class T	IIC T4 @ –50 °C ... +55 °C Ta IIB T4 @ –50 °C ... +70 °C Ta	
Storage temperature	–50 °C ... +70 °C	
Relative humidity	90 %	
Duty cycle	100 %	
Material	housing die-cast aluminium LM6, similar to RAL 3000 (flame red)	horn ABS self-extinguishing, similar to UL 94 V0 & 5VA FR ABS, Ex II 2GD anti-static ABS, black
Connecting terminals	1x 4 mm <sup>2</sup> or 2x 2.5 mm <sup>2</sup>	
Cable entry	2 / 1x closed, 1x open (M20), optionally PG13.5 or 1/2" NPT	
Weight	transformer "d": 3.95 kg   "e": 4.21 kg	"d": 3.45 kg   "e": 3.10 kg
	impedance "d": 3.56 kg   "e": 3.82 kg	"d": 3.71 kg   "e": 3.36 kg

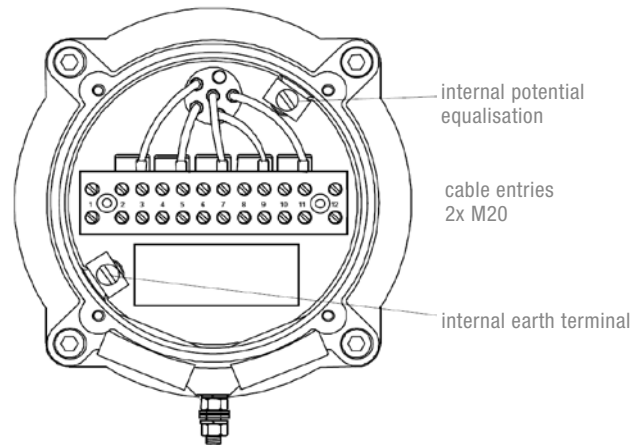
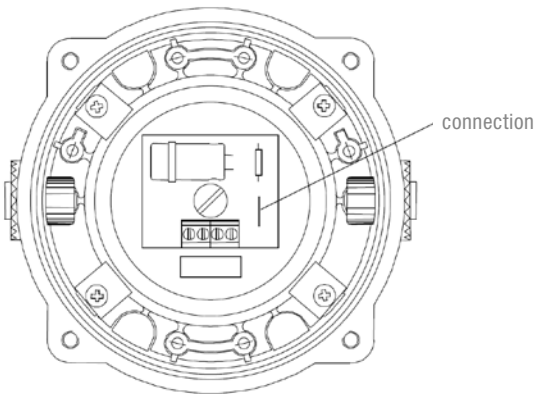
**DIMENSIONS**



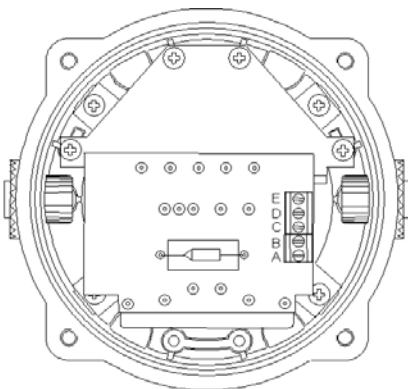
**CONNECTION DIAGRAMS**

**EEx d, 8 Ω and 16 Ω**

**EEx e, 8 Ω and 16 Ω**



**100 V**



Connections	BExL 25 d (25 W)	BExL 15 d (15 W)
A-B	25 W	15 W
A-C	12.5 W	7.5 W
A-D	6 W	3 W
A-E	2 W	1 W

ARTICLE NO.	BExL 25 d	BExL 25 e	BExL 15 d	BExL 15 e
8 Ω	32093000910	32095000910	32097000910	32099000910
16 Ω	32093000911	32095000911	32097000911	32099000911
100 V transformer	32093000912	32095000912	32097000912	32099000912